

WHAT IS CLAIMED IS:

1. A set screw connector for accommodating electrical cable comprising:

an elongate generally rectangular conductive bus bar having a first face having a plurality of spaced cable receiving apertures and a second face generally orthogonal to said first face have a plurality of spaced set screw receiving apertures, said cable receiving apertures being in communication with said set screw receiving apertures; and

a cover formed of thermoplastic elastomer (TPE), and molded over said bus bar, said molded cover further including integrally formed auxiliary components insertable into at least one of said cable receiving apertures and said set screw receiving apertures.

2. A set screw connector of claim 1 wherein said auxiliary components are integrally attached by an integrally formed tether.

3. A set screw connector of claim 2 wherein said auxiliary components are detachable from said tether.

4. A set screw connector of claim 2 wherein said auxiliary components include elongate generally tubular cable size adapters, said cable size adapters are detachable from said tether for insertion into said cable receiving apertures.

5. A set screw connector of claim 4 wherein said auxiliary components further include sealing plugs for closing said set screw apertures.

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6. A set screw connector of claim 5 wherein said cover includes set screw extensions adjacent to and rendering accessible said set screw apertures, and sealing plugs being received into said set screw extensions.
7. A set screw connector of claim 1 wherein said cover includes tubular cable extensions adjacent to and rendering accessible said cable receiving apertures.
8. A set screw connector of claim 7 wherein said cable size adapters are insertable into said tubular cable extensions.
9. A method of manufacturing a set screw connector comprising the steps of:
providing an elongate conductive generally rectangular bus bar, said bus bar having a first face including a plurality of cable apertures therein and a second face orthogonal to said first face having a plurality of set screw apertures therein; and
molding a covering member over said bus bar, said covering member including a bus bar cover and a plurality of integrally formed auxiliary components for insertion into at least one of said cable receiving apertures and said set screw apertures.
10. A method of claim 9, wherein said molding step further includes:
integrally molding a tether interconnecting said auxiliary components and said bus bar cover.

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11. A method of claim 10, wherein said molding step further includes:
detachably molding said auxiliary components to said tether.
12. A method of claim 11, wherein said auxiliary components include:
sealing plugs for insertion into said set screw adapters; and cable size adapters for
insertion into said cable receiving apertures.
13. A method of claim 12, wherein said cable size adapters are detachable from said tether.

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